



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 7

Test Date: March 2008
Code: 11331342
SAU: Poland School Department
School: Bruce M Whittier Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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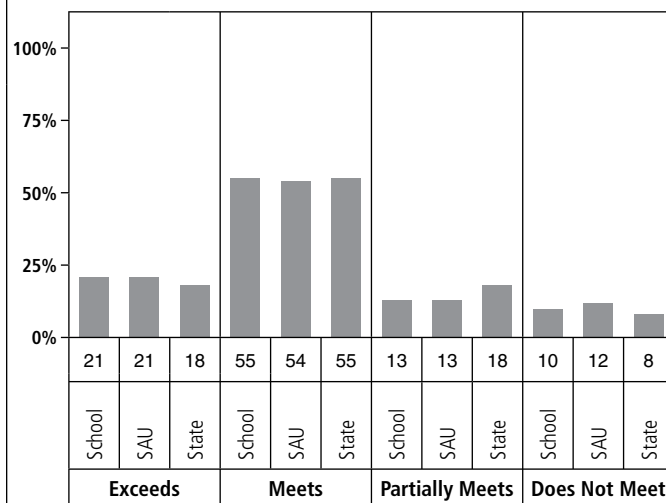
SUMMARY OF SCORES

Test Date: March 2008
 Grade: 7
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

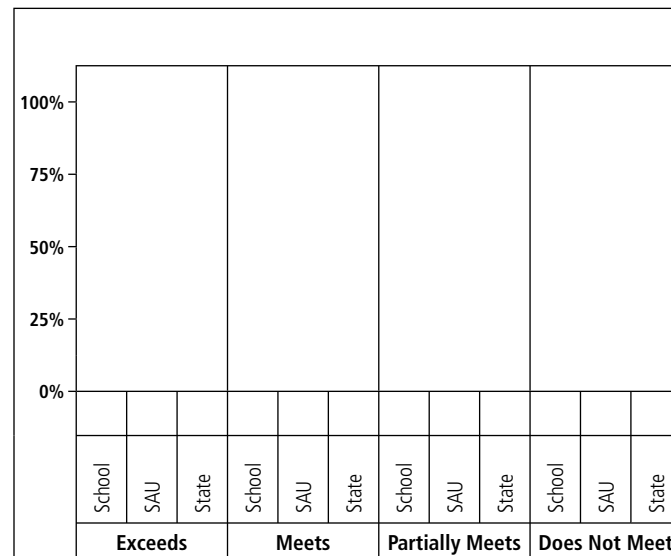
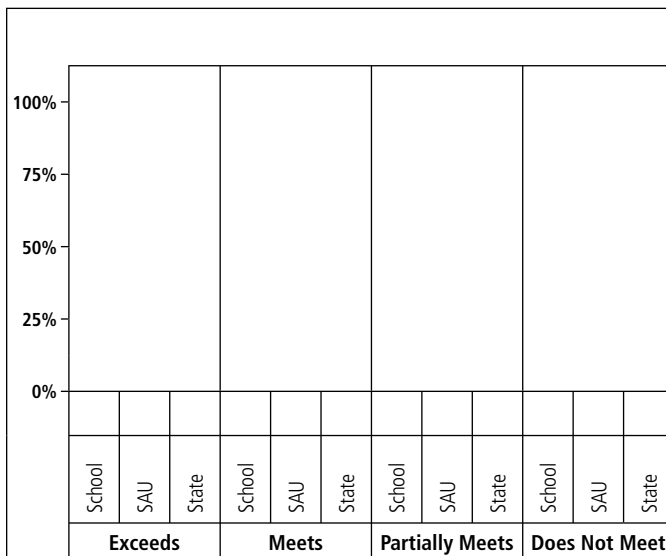
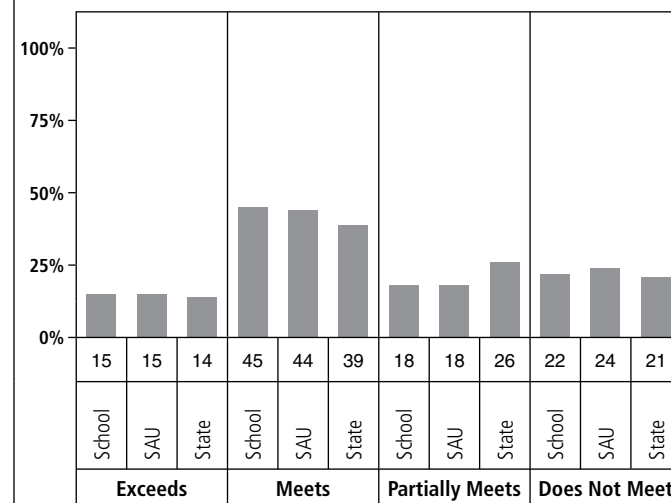
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	742	741	745
2006–2007	746	745	748
2007–2008	751	750	750
Cum. Avg. *	746	745	748
Mathematics			
2005–2006	734	733	740
2006–2007	738	737	742
2007–2008	744	744	743
Cum. Avg. *	739	738	742

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 7
SAU: Poland School Department
School: Bruce M Whittier Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	70	100	70	100	14818	100	69	99	70	100	14698	99	69	99	70	100	14694	99						
Ethnicity African American/Black	0	0	0	0	381	3	0	0	0	0	372	98	0	0	0	0	375	99						
American Indian or Native Alaskan	1	1	1	1	113	1	1	100	1	100	112	99	1	100	1	100	112	99						
Asian or Pacific Islander	1	1	1	1	219	1	1	100	1	100	213	97	1	100	1	100	217	99						
Hispanic	1	1	1	1	178	1	1	100	1	100	176	99	1	100	1	100	177	100						
Caucasian/White	67	96	67	96	13927	94	66	99	67	100	13825	99	66	99	67	100	13813	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	10	14	10	14	2556	17	9	90	10	100	2508	99	9	90	10	100	2497	98						
Current LEP	0	0	0	0	363	2	0	0	0	0	352	97	0	0	0	0	360	99						
Economically disadvantaged	20	29	20	29	5461	37	20	100	20	100	5408	99	20	100	20	100	5406	99						
Migrant	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	57	81	57	81	12195	82	57	81	57	81	12215	82						
Identified disability (PET/IEP)	0	0	0	0	418	3	0	0	0	0	421	3						
LEP	0	0	0	0	183	2	0	0	0	0	183	1						
504 plan	1	2	1	2	181	1	1	2	1	2	182	1						
Participation with accommodations	10	14	11	16	2320	16	10	14	11	16	2303	16						
Identified disability (PET/IEP)	7	70	8	73	1912	82	7	70	8	73	1900	83						
LEP	0	0	0	0	159	7	0	0	0	0	173	8						
504 plan	2	20	2	18	56	2	2	20	2	18	55	2						
Other	1	10	1	9	244	11	1	10	1	9	226	10						
Participation through alternate assessment (PAAP)	2	3	2	3	178	1	2	3	2	3	176	1						
Identified disability (PET/IEP)	2	100	2	100	178	100	2	100	2	100	176	100						
LEP	0	0	0	0	5	3	0	0	0	0	4	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	5	0												
Approved non-participation – special consideration	0	0	0	0	27	0	0	0	0	0	28	0						
Non-participation – other	1	1	0	0	93	1	1	1	0	0	96	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 7
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 761–780)	2005-2006	4	6	4	6	1769	11
	2006-2007	9	16	9	16	2630	18
	2007-2008	14	21	14	21	2604	18
	Cum. Total*	27	14	27	14	7003	16
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 741–760)	2005-2006	36	53	36	52	7521	49
	2006-2007	27	48	27	47	7605	51
	2007-2008	37	55	37	54	8049	55
	Cum. Total*	100	52	100	51	23175	52
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 729–740)	2005-2006	15	22	15	22	3773	24
	2006-2007	12	21	12	21	3000	20
	2007-2008	9	13	9	13	2672	18
	Cum. Total*	36	19	36	18	9445	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 700–728)	2005-2006	13	19	14	20	2399	16
	2006-2007	8	14	10	17	1620	11
	2007-2008	7	10	8	12	1190	8
	Cum. Total*	28	15	32	16	5209	12

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	35.7	63.8	35.4	63.2	35.3	63.0
Literary Text	28	50	17.4	62.1	17.3	61.8	17.3	61.8
Informational Text	28	50	18.3	65.4	18.1	64.6	18.0	64.3

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 7
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	67	14	21	37	55	9	13	7	10	751	68	21	54	13	12	750	14515	18	55	18	8	750
Ethnicity																						
African American/Black	0										0						365	10	49	19	22	742
American Indian or Native Alaskan	1										1						110	6	52	24	18	744
Asian or Pacific Islander	1										1						211	26	47	20	6	752
Hispanic	1										1						173	12	54	18	15	746
Caucasian/White	64	14	22	34	53	9	14	7	11	750	65	22	52	14	12	750	13656	18	56	18	8	750
Not Reported	0										0						0					
Identified disability																						
Yes	7	0	0	0	0	1	14	6	86	721	8	0	0	13	88	721	2330	2	30	36	32	735
No	60	14	23	37	62	8	13	1	2	754	60	23	62	13	2	754	12185	21	60	15	4	753
Current LEP																						
Yes	0										0						342	8	46	22	24	741
No	67	14	21	37	55	9	13	7	10	751	68	21	54	13	12	750	14173	18	56	18	8	750
Economically disadvantaged																						
Yes	19	2	11	9	47	5	26	3	16	743	19	11	47	26	16	743	5299	9	51	26	14	745
No	48	12	25	28	58	4	8	4	8	753	49	24	57	8	10	753	9216	23	58	14	5	753
Migrant																						
Yes	0										0						1					
No	67	14	21	37	55	9	13	7	10	751	68	21	54	13	12	750	14514	18	55	18	8	750
Gender																						
Female	28	6	21	15	54	3	11	4	14	750	29	21	52	10	17	749	7084	24	55	15	6	752
Male	39	8	21	22	56	6	15	3	8	751	39	21	56	15	8	751	7431	12	56	21	11	747
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						946	6	47	34	12	743
No	67	14	21	37	55	9	13	7	10	751	68	21	54	13	12	750	13569	19	56	17	8	750
Gifted/talented program																						
Yes	0										0						574	61	38	1	0	765
No	67	14	21	37	55	9	13	7	10	751	68	21	54	13	12	750	13941	16	56	19	9	749

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 7
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	1	0	0	0	0	0	0	1	100	712	3	0	0	0	100	715	6	9	42	24	25	741
B. less than one hour	58	11	28	21	54	2	5	5	13	753	57	28	54	5	13	753	50	17	56	19	8	750
C. one to two hours	40	3	11	16	59	7	26	1	4	748	40	11	59	26	4	748	40	20	58	16	6	752
D. more than two hours	0										0						4	19	49	21	11	749
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	43	7	24	18	62	3	10	1	3	755	43	24	62	10	3	755	36	24	58	14	5	753
B. They match some of what I have learned.	48	7	22	17	53	5	16	3	9	750	47	22	53	16	9	750	50	16	58	19	8	749
C. They match just a little of what I have learned.	6	0	0	1	25	1	25	2	50	733	7	0	20	20	60	730	11	13	45	26	16	745
D. There is no match.	3	0	0	1	50	0	0	1	50	734	3	0	50	0	50	734	3	4	35	29	31	737
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	25	4	24	10	59	2	12	1	6	755	26	22	56	11	11	753	28	35	52	9	5	756
B. good	52	9	26	19	54	5	14	2	6	752	51	26	54	14	6	752	52	15	60	18	7	750
C. fair	22	1	7	8	53	2	13	4	27	741	22	7	53	13	27	741	18	3	49	33	15	742
D. poor	0										0						2	2	41	28	29	738
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	13	0	0	3	33	2	22	4	44	733	13	0	33	22	44	733	16	13	48	23	16	745
B. about the same as my regular schoolwork	70	10	21	29	62	6	13	2	4	752	70	21	62	13	4	752	65	18	57	18	7	750
C. easier than my regular schoolwork	16	4	36	5	45	1	9	1	9	759	16	36	45	9	9	759	19	21	57	16	6	752
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	4	0	0	1	33	0	0	2	67	736	4	0	33	0	67	736	9	5	38	29	28	738
B. Most of the passages were about the same as what I normally read.	63	5	12	25	60	8	19	4	10	747	63	12	58	19	12	746	55	14	57	22	7	748
C. Most of the passages were easier than what I normally read.	33	9	41	11	50	1	5	1	5	759	32	41	50	5	5	759	36	28	58	10	4	755
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	36	1	4	18	75	4	17	1	4	750	35	4	75	17	4	750	44	18	56	18	8	750
B. I tried about the same as I do on my regular schoolwork.	64	13	30	19	44	5	12	6	14	751	65	30	43	11	16	750	51	19	56	17	7	751
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						5	9	46	26	19	743
How much time do you spend reading at home each day?																						
A. more than one hour	21	2	14	10	71	1	7	1	7	751	21	14	71	7	7	751	17	25	57	13	6	753
B. 20 minutes to an hour	30	7	35	8	40	5	25	0	0	756	31	33	38	24	5	754	45	22	56	16	6	752
C. less than 20 minutes	19	2	15	10	77	0	0	1	8	752	19	15	77	0	8	752	13	14	56	21	9	748
D. I rarely read at home.	30	3	15	9	45	3	15	5	25	744	29	15	45	15	25	744	24	8	53	26	13	745
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	0	0	0	0	0	0	1	100	728	50	0	0	0	100	728						
D.	50	0	0	0	0	1	100	0	0	736	50	0	0	100	0	736						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 7
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 761–780)	2005-2006	5	7	5	7	1646	11
	2006-2007	5	9	5	9	2142	14
	2007-2008	10	15	10	15	2028	14
	Cum. Total*	20	10	20	10	5816	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 741–760)	2005-2006	18	26	18	26	5497	36
	2006-2007	20	36	20	34	5642	38
	2007-2008	30	45	30	44	5703	39
	Cum. Total*	68	36	68	35	16842	38
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 727–740)	2005-2006	22	32	22	32	4514	29
	2006-2007	14	25	14	24	4077	27
	2007-2008	12	18	12	18	3733	26
	Cum. Total*	48	25	48	25	12324	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 700–726)	2005-2006	23	34	24	35	3797	25
	2006-2007	17	30	19	33	3001	20
	2007-2008	15	22	16	24	3054	21
	Cum. Total*	55	29	59	30	9852	22

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.5	53.1	8.5	53.1	8.8	55.0
Cluster 2: Shape and Size	14	25	5.6	40.0	5.6	40.0	5.5	39.3
Cluster 3: Mathematical Decision Making	8	14	3.9	48.8	3.8	47.5	3.5	43.8
Cluster 4: Patterns	18	32	9.0	50.0	8.9	49.4	7.9	43.9

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 7
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	67	10	15	30	45	12	18	15	22	744	68	15	44	18	24	744	14518	14	39	26	21	743
Ethnicity																						
African American/Black	0										0						372	5	24	25	45	731
American Indian or Native Alaskan	1										1						110	5	30	36	29	736
Asian or Pacific Islander	1										1						216	25	34	23	18	748
Hispanic	1										1						175	9	32	30	29	737
Caucasian/White	64	9	14	28	44	12	19	15	23	744	65	14	43	18	25	743	13645	14	40	26	20	743
Not Reported	0										0						0					
Identified disability																						
Yes	7	0	0	0	0	2	29	5	71	717	8	0	0	25	75	716	2321	2	16	26	55	727
No	60	10	17	30	50	10	17	10	17	748	60	17	50	17	17	748	12197	16	44	26	15	746
Current LEP																						
Yes	0										0						356	7	23	24	45	731
No	67	10	15	30	45	12	18	15	22	744	68	15	44	18	24	744	14162	14	40	26	20	743
Economically disadvantaged																						
Yes	19	1	5	6	32	4	21	8	42	733	19	5	32	21	42	733	5301	5	31	31	33	736
No	48	9	19	24	50	8	17	7	15	749	49	18	49	16	16	748	9217	19	44	23	14	747
Migrant																						
Yes	0										0						1					
No	67	10	15	30	45	12	18	15	22	744	68	15	44	18	24	744	14517	14	39	26	21	743
Gender																						
Female	28	4	14	12	43	6	21	6	21	743	29	14	41	21	24	742	7086	14	40	26	20	743
Male	39	6	15	18	46	6	15	9	23	745	39	15	46	15	23	745	7432	14	38	25	22	743
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						946	4	23	36	37	733
No	67	10	15	30	45	12	18	15	22	744	68	15	44	18	24	744	13572	15	40	25	20	743
Gifted/talented program																						
Yes	0										0						575	64	31	3	1	765
No	67	10	15	30	45	12	18	15	22	744	68	15	44	18	24	744	13943	12	40	27	22	742

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 7
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	1	0	0	0	0	0	0	1	100	700	3	0	0	0	100	704	6	7	29	26	37	734
B. less than one hour	58	7	18	20	51	6	15	6	15	748	57	18	51	15	15	748	50	13	39	26	22	742
C. one to two hours	40	3	11	10	37	6	22	8	30	742	40	11	37	22	30	742	40	15	42	26	17	744
D. more than two hours	0										0						4	16	37	23	24	742
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	36	5	21	12	50	2	8	5	21	749	35	21	50	8	21	749	32	21	40	23	16	747
B. They match some of what I have learned.	54	3	8	16	44	9	25	8	22	742	54	8	43	24	24	741	50	12	42	27	19	743
C. They match just a little of what I have learned.	10	2	29	2	29	1	14	2	29	745	10	29	29	14	29	745	15	7	32	31	30	737
D. There is no match.	0										0						3	4	17	21	58	726
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	31	5	24	14	67	0	0	2	10	754	31	24	67	0	10	754	25	34	42	13	11	753
B. good	48	4	13	14	44	7	22	7	22	743	49	12	42	21	24	742	47	10	45	27	18	743
C. fair	21	1	7	2	14	5	36	6	43	733	21	7	14	36	43	733	23	3	30	36	32	735
D. poor	0										0						5	1	17	32	49	729
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	30	3	15	5	25	3	15	9	45	736	30	15	25	15	45	736	36	6	38	29	27	738
B. about the same as my regular schoolwork	61	5	13	21	53	9	23	5	13	748	60	13	53	23	13	748	53	13	42	27	18	744
C. easier than my regular schoolwork	9	2	33	3	50	0	0	1	17	752	10	29	43	0	29	746	11	40	32	15	13	753
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	34	3	14	10	45	4	18	5	23	744	33	14	45	18	23	744	46	12	40	27	21	742
B. I tried about the same as I do on my regular schoolwork.	66	7	16	20	47	8	19	8	19	746	67	16	45	18	20	745	49	16	40	25	19	744
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						5	10	27	27	36	736
How often do you use laptops in mathematics class?																						
A. almost every day	78	9	18	23	45	9	18	10	20	746	79	17	44	17	21	745	9	15	37	25	23	742
B. two or three days a week	20	1	8	6	46	3	23	3	23	743	20	8	46	23	23	743	20	13	41	26	20	743
C. two or three times each month	0										0						30	15	40	27	18	744
D. never or almost never	2	0	0	1	100	0	0	0	0	742	2	0	100	0	0	742	41	13	39	26	23	742
How often do you use calculators in mathematics class?																						
A. almost every day	19	3	23	3	23	4	31	3	23	744	19	23	23	31	23	744	20	17	39	23	22	744
B. two or three days a week	45	3	10	13	43	5	17	9	30	740	46	10	42	16	32	739	29	16	40	25	19	744
C. two or three times a month	22	3	20	9	60	1	7	2	13	751	22	20	60	7	13	751	26	13	40	28	20	743
D. never or almost never	13	1	11	5	56	2	22	1	11	749	13	11	56	22	11	749	24	10	39	27	24	740
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	5	0	0	0	0	1	33	2	67	716	6	0	0	25	75	714	8	7	32	26	35	736
B. 30–45 minutes	8	1	20	1	20	1	20	2	40	738	7	20	20	20	40	738	41	12	38	27	23	741
C. 45–60 minutes	29	2	11	9	47	3	16	5	26	741	28	11	47	16	26	741	41	17	42	24	16	745
D. more than 60 minutes	59	7	18	19	49	7	18	6	15	749	58	18	49	18	15	749	10	15	38	25	22	743
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	50	0	0	0	0	0	0	1	100	700	50	0	0	0	100	700						
D.	50	0	0	0	0	0	0	1	100	716	50	0	0	0	100	716						